

Appl. No. 10/538,437
Reply to Office Action of February 14, 2008

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A UV-setting ink-jet ink comprising color materials, UV-polymeric compound containing a radical polymeric compound, and photo-induced polymerization initiator in a water-based medium, wherein the UV-setting ink-jet ink further comprises a concentration of oxygen dissolved in the ink is in an amount of 0.1 to 2 ppm at 25°C as a polymerization inhibitor to inhibit polymerization.
2. (Currently amended) An ink-jet recording method for forming images by ejecting with UV-setting ink-jet ink which dissolves comprises color materials, UV-polymeric compound containing a radical polymeric compound, and photo-induced polymerization initiator in a water-based medium and further comprises dissolved oxygen of 0.1 to 2 ppm in the ink at 25°C as a polymerization inhibitor to inhibit polymerization, the method comprising steps of:
jetting the UV-setting ink-jet ink onto a base material,
and

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applying ultraviolet lights to the ink on the base material.

3. **(Previously presented)** The UV-setting ink-jet ink of claim 1, wherein the concentration of oxygen dissolved in the ink is 0.5 to 2 ppm at 25°C.

4. **(Previously presented)** The UV-setting ink-jet ink of claim 1, wherein the UV-polymeric compound contains a radical polymeric compound.

5. **(Previously presented)** The ink-jet recording method of claim 2, wherein the concentration of oxygen dissolved in the ink is 0.5 to 2 ppm at 25°C.

6. **Canceled**

7. **(Previously presented)** The ink-jet recording method of claim 2, further comprising a step of preserving the concentration of oxygen dissolved in the ink within 0.1 to 2 ppm at 25°C by employing a material to shut off air for an ink supply system.